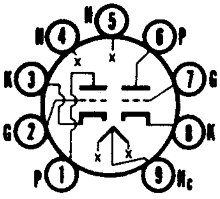


SYLVANIA TYPE 12BZ7

HIGH-MU TWIN TRIODE



9A

MECHANICAL DATA

Bulb	T-6½
Base	E9-1, Small Button 9-Pin
Outline	6-3
Basing	9A
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Voltage Series/Parallel	12.6/6.3 Volts
Heater Current Series/Parallel	300/600 Ma
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	180 Volts Max.
Heater Positive with Respect to Cathode	180 Volts Max.

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

	Section 1		Section 2
Grid to Plate	2.5		2.5 μμf
Input	6.5		6.5 μμf
Output	0.7		0.55 μμf
Plate to Plate		1.3	μμf

MAXIMUM RATINGS (Design Center Values) Each Section

Plate Voltage	300 Volts
Plate Dissipation	1.5 Watts
Positive D C Grid Voltage	0 Volts
Negative D C Grid Voltage	50 Volts
Grid No. 1 Circuit Resistance[1]	5.0 Megohms

CHARACTERISTICS AND TYPICAL OPERATION

Class A_1 Amplifier—Each Section

Plate Voltage	250 Volts
Grid Voltage	−2 Volts
Plate Current	2.5 Ma
Plate Resistance	31,800 Ohms
Transconductance	3200 μmhos
Amplification Factor	100

NOTES:

1. Maximum Value that can be used where Grid No. 1 bias is developed by means of contact potential.

APPLICATION

The Sylvania Type 12BZ7 is a miniature high mu twin triode designed primarily for use as a sync separator and sync amplifier in television receivers.
It is also useful in clipping circuits and as a general purpose audio amplifier.

AVERAGE PLATE CHARACTERISTICS

